

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L1 | 913 | spherical near2 harmon\$4 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 12:45 |
| L2 | 35 | (("381"/17-23,26,27).cols.) and L1 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 12:45 |
| L3 | 913 | spherical near2 harmon\$4 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 12:46 |
| L4 | 26 | (("381"/92,61,71.11,71.8,71.1).cols.) and L3 | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | ON | 2011/02/15 12:46 |
| L5 | 1 | (("381"/339,340,182,103).cols.) and L1 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 12:48 |
| L6 | 221 | (spherical near2 harmon\$4) and distort\$3 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 12:49 |
| L7 | 1 | (("84"/723,601,600).cols.) and L6 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 12:49 |

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|-----|---------|--|---|----|----|---------------------|
| L8 | 9547047 | "11" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 12:49 |
| L9 | 1705 | (("84"/723,601,600).cls.) | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 12:50 |
| L10 | 1 | L9 and L6 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 12:50 |
| L11 | 905 | spherical adj2 harmon\$4 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 13:01 |
| L12 | 6 | L11 same linear same coeffic\$4 same combinat\$3 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 13:01 |
| L13 | 2203003 | (initial same sound same direct\$5 same function same weighting same coeffic\$6 same predetermin\$3 same operat\$3 same determin\$3 same combinat\$3 same linear same spherical harmonic same weight\$3) | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 13:09 |
| L14 | 6473 | (initial same sound same direct\$5 same function same weighting same coeffic\$6 same predetermin\$3 same operat\$3 same determin\$3 same combinat\$3 same linear same spherical harmonic same weight\$3) | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 13:10 |
| L15 | 0 | (initial same sound same direct\$5 same function same coeffic\$6 same predetermin\$3 same operat\$3 same determin\$3 same combinat\$3 same linear same spherical same harmonic same weight\$3) | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 13:11 |
| L16 | 0 | (initial same sound same direct\$5 same function same coeffic\$6 same predetermin\$3 same operat\$3 same determin\$3 same combinat\$3 same linear same spherical same harmonic same weight\$3).clm. | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2011/02/15 13:11 |

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| L19 | 4 | (initial same sound same direct\$5 same function same coeffic\$6 same predetermin\$3 same operat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2011/02/15 13:12 |
| L20 | 1 | (determin\$3 same combinat\$3 same linear same spherical same harmonic same weight\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2011/02/15 13:12 |
| L21 | 35 | (("381"/17-23,26,27).cols.) and L3 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2011/02/15 13:15 |
| L22 | 913 | spherical near2 harmon\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2011/02/15 13:15 |
| L23 | 76 | (("381"/\$.cols.) and L22 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2011/02/15 13:15 |
| L24 | 12 | (("84"/\$).cols.) and L22 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2011/02/15 13:16 |
| L25 | 4 | ((700/94).cols.) and L22 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2011/02/15 13:17 |

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|-----|-----|---|---|----|-----|---------------------|
| L26 | 104 | ((("6026056") or ("7039546") or ("7091906") or ("7395030") or ("7630502") or ("20070183610") or ("5416767") or ("4965815") or ("5054916") or ("6023717") or ("6028995") or ("6252989") or ("6285954") or ("6317767") or ("6320648") or ("6341245") or ("6353477") or ("6377915") or ("6614616") or ("6657572") or ("6693713") or ("6735254") or ("6768495") or ("6831983") or ("6983012") or ("6983241") or ("6985815") or ("6993444") or ("6996288") or ("7003170") or ("7006938") or ("7007054") or ("7009932") or ("7012633") or ("7016404") or ("7027504") or ("7031862") or ("7039665") or ("7043397") or ("7043512") or ("7046723") or ("7047188") or ("7047481") or ("7050077") or ("7050968") or ("7050970") or ("7054394") or ("7054896") or ("7058650") or ("7058676")).PN. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2011/02/15 13:22 |
| S1 | 4 | ((REMY) near2 (BRUNO)).INV. | US-PGPUB; USPAT; USOOR | OR | ON | 2007/03/08 12:26 |
| S2 | 49 | ((("20060126852") or ("20060045275") or ("7054452") or ("20020048376") or ("20040176136") or ("20060146648") or ("20050177606") or ("4843582") or ("4802232") or ("5177796") or ("5224062") or ("5293228") or ("5296935") or ("5343537") or ("5511155") or ("5615282") or ("5635864") or ("5668831") or ("5692020") or ("5717715") or ("5754456") or ("5754457") or ("5761210") or ("5802369") or ("5801855") or ("5872728") or ("5909254") or ("5946039") or ("6021228") or ("6035314") or ("6052703") or ("6125284") or ("6216013") or ("6216013") or ("6266451") or ("6333986") or ("6456743") or ("6477276") or ("6557097") or ("20060171542") or ("5185848") or ("5243661") or ("5793875") or ("5929810") or ("5940519") or ("5991418") or ("6160757") or ("6188915") or ("6191736") or ("6198828")).PN. | US-PGPUB; USPAT; USOOR; EPO | OR | OFF | 2006/12/29 17:23 |
| S3 | 2 | ((6,154,549) or (6,259,795)).PN. | USPAT; USOOR | OR | OFF | 2007/03/02 15:27 |

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|-----|-----|---|---|----|-----|---------------------|
| S4 | 1 | ("6154549").PN. | USPAT; USOOR | OR | OFF | 2007/03/05 12:19 |
| S5 | 7 | (("20010038702") or ("7027600") or ("6195435") or ("6078669") or ("5946400") or ("5598478") or ("5684881")).PN. | US-PGPUB; USPAT; USOOR | OR | OFF | 2007/03/08 12:29 |
| S6 | 687 | spherical near2 harmon\$4 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2008/10/18 12:41 |
| S7 | 17 | (("381"/\$).cols.) and S6 and @ay<="2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2008/10/18 12:43 |
| S8 | 687 | spherical near2 harmon\$4 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2008/10/18 14:33 |
| S9 | 6 | (("84"/\$).cols.) and S8 and @ay<="2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2008/10/18 14:33 |
| S10 | 124 | ((("6026056") or ("7039546") or ("7091906") or ("7395030") or ("20070183610") or ("4266296") or ("4401849") or ("5419330") or ("6056694") or ("7227960") or ("7409227") or ("20070147482") or ("20080025518") or ("4594007") or ("5864624") or ("5416767") or ("5678092") or ("6154518") or ("4246650") or ("4300221") or ("RE30986") or ("4543648") or ("4998480") or ("5208660") or ("5272694") or ("5291197") or ("5324229") or ("5450019") or ("5481573") or ("5522011") or ("5532977") or ("5581454") or ("5675703") or ("5784624") or ("5920522") or ("5940599") or ("6137584") or ("3815405") or ("3815104") or ("3784803") or ("4017693") or ("4021648") or ("4267447") or ("4300235") or ("4317179") or ("4925021") or ("4367785") or ("4424429") or | US-PGPUB; USPAT; USOOR; EPO; JPO; DERVENT | OR | OFF | 2008/10/18 15:18 |

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| | | ("4431382") or ("4493559").PN. | | | | | |
| S11 | 1 | "6904152".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/18 15:28 | |
| S12 | 1 | "5822438".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/10/20 10:33 | |
| S13 | 124 | ((("6026056") or ("7039546") or ("7091906") or ("7395030") or ("20070183610") or ("4266296") or ("4401849") or ("5419330") or ("6056694") or ("7227960") or ("7409227") or ("20070147482") or ("20080025518") or ("4594007") or ("5864624") or ("5416767") or ("5678092") or ("6154518") or ("4246650") or ("4300221") or ("RE30986") or ("4543648") or ("4998480") or ("5208660") or ("5272694") or ("5291197") or ("5324229") or ("5450019") or ("5481573") or ("5522011") or ("5532977") or ("5581454") or ("5675703") or ("5784624") or ("5920522") or ("5940599") or ("6137584") or ("3815405") or ("3815104") or ("3784803") or ("4017693") or ("4021648") or ("4267447") or ("4300235") or ("4317179") or ("4325021") or ("4367785") or ("4424429") or ("4431382") or ("4493559")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/10/21 10:23 | |
| S14 | 2 | ("20050238177").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/10/21 15:44 | |
| S15 | 29 | (spherical near2 harmon\$4) same diston\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:15 | |
| S16 | 19 | S15 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:16 | |

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| S17 | 176 | (spherical near2 harmon\$4) and distort\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:21 |
| S18 | 2 | (("84"/\$).cols.) and S17 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:21 |
| S19 | 5 | (("381"/\$).cols.) and S17 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:23 |
| S20 | 2379 | ((381/17-23 or 381/61,63,26,27,103).cols.) and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:26 |
| S21 | 4 | S20 and S17 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:27 |
| S22 | 1 | (("84"/723,601,600).cols.) and S17 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:28 |
| S23 | 1425 | (("84"/723,601,600).cols.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:28 |
| S24 | 1 | S23 and S17 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:28 |
| S25 | 687 | (spherical near2 harmon\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:29 |

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|-----|------|---|---|----|-----|---------------------|
| S26 | 5 | (("84"/723,601,600).cds.) and S25 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:29 |
| S27 | 92 | S17 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/21 16:44 |
| S28 | 1 | "5671287".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/10/22 09:54 |
| S29 | 2 | ("5848166").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2008/10/22 11:04 |
| S30 | 187 | (spherical near2 harmon\$4) and distort\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/09/07 12:35 |
| S31 | 1534 | (("84"/723,601,600).cds.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/09/07 12:35 |
| S32 | 1 | S31 and S30 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2009/09/07 12:35 |
| S33 | 759 | spherical near2 harmon\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2009/09/07 12:37 |

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| S34 | 11 | (("381"/17-23,26,27).ccls.) and S33 and @ay<="2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2009/09/07 12:37 |
| S35 | 5 | (("381"/1,61,102,63,304,337).ccls.) and S33 and @ay<="2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2009/09/07 12:39 |
| S36 | 1 | (("381"/339,340,182,103).ccls.) and S33 and @ay<="2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2009/09/07 12:39 |
| S37 | 6 | (("381"/92,61,71.11,71.8,71.1).ccls.) and S33 and @ay<="2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2009/09/07 12:40 |
| S38 | 6 | (("381"/92,61,71.11,71.8,71.1).ccls.) and S33 and @ay<="2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2009/09/07 12:41 |
| S39 | 782 | (("381"/17-23,26,27).ccls.) and "15" and @ay<="2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2009/09/07 12:42 |
| S40 | 30 | (spherical near2 harmon\$4) same distort\$3 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2009/09/07 12:43 |
| S41 | 0 | (("381"/17-23,26,27).ccls.) and S40 and @ay<="2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2009/09/07 12:43 |
| S42 | 831 | spherical adj2 harmon\$4 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2010/06/08 10:50 |

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| S43 | 43 | \$42 same linear same coeffic\$4 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2010/06/08 10:52 |
| S44 | 6 | \$42 same linear same coeffic\$4 same combinat\$3 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2010/06/08 10:52 |
| S45 | 104 | ((("6026056") or ("7039546") or ("7091906") or ("7395030") or ("7630502") or ("20070183610") or ("5416767") or ("4965815") or ("5054916") or ("6023717") or ("6028995") or ("6252989") or ("6285954") or ("6317767") or ("6320648") or ("6341245") or ("6353477") or ("6377915") or ("6614616") or ("6657572") or ("6693713") or ("6735254") or ("6768495") or ("6831983") or ("6983012") or ("6983241") or ("6985815") or ("6993444") or ("6996288") or ("7003170") or ("7006938") or ("7007054") or ("7009932") or ("7012633") or ("7016404") or ("7027504") or ("7031862") or ("7039665") or ("7043397") or ("7043512") or ("7046723") or ("7047188") or ("7047481") or ("7050077") or ("7050968") or ("7050970") or ("7054394") or ("7054896") or ("7058650") or ("7058676")),PN. | US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT | OR | OFF | 2010/06/08 10:56 |
| S46 | 202 | (spherical near2 harmon\$4) and distort\$3 | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2010/06/09 16:39 |
| S47 | 2396 | ((381/17-23 or 381/61,63,26,27,103).cols.) and @ay<= "2002" | US-PGPUB; USPAT; USOOR; EPO; JPO | OR | ON | 2010/06/09 16:39 |

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|-----|------|--|---|----|----|---------------------|
| S48 | 4 | S47 and S46 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:39 |
| S49 | 2211 | ((381/1,61,102,63,304,337,339,340,182).cols.) and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2010/06/09 16:41 |
| S50 | 3785 | ((381/1,61,102,63,304,337,339,340,182).cols.) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2010/06/09 16:41 |
| S51 | 2 | S50 and S46 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:42 |
| S52 | 831 | spherical adj2 harmon\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2010/06/09 16:43 |
| S53 | 43 | S52 same linear same coefficie\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2010/06/09 16:44 |
| S54 | 1 | (("84"/723,601,600).cols.) and S46 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:47 |
| S55 | 839 | (spherical near2 harmon\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2010/06/09 16:48 |

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| S56 | 5 | (("84"/723,601,600).cols.) and S55 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:48 |
| S57 | 839 | spherical near2 harmon\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2010/06/09 16:48 |
| S58 | 6 | (("381"/92,61,71.11,71.8,71.1).cols.) and S57 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:48 |
| S59 | 6 | (("381"/92,61,71.11,71.8,71.1).cols.) and S57 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:50 |
| S60 | 11 | (("381"/17-23,26,27).cols.) and S57 and @ay<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2010/06/09 16:50 |
| S61 | 831 | spherical adj2 harmon\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2010/06/09 16:51 |
| S62 | 6 | S61 same linear same coeffici\$4 same combinat\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2010/06/09 16:51 |

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